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SERVICE BULLETIN

SB-015

Revision	Description	Date	Approval
0	Initial Revision	June 20, 2019	
<u>1</u>	<u>Effectivity update + Support e-mail update</u>	<u>July 18, 2019</u>	

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1. EFFECTIVITY

This service bulletin has to be applied to the following products:

<u>P/N</u>	<u>Affected S/N or batches</u>
<u>EA-003.3N</u>	<u>S/N < 4614</u>
<u>EA-003.4N</u>	<u>S/N < 508</u>
<u>EA-003.5N</u>	<u>S/N < 189</u>
<u>EA-003.6N</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-003.7N</u>	<u>S/N < 043</u>
<u>EA-003.10N</u>	<u>S/N < 004</u>
<u>EA-004.1N</u>	<u>S/N < 002</u>
<u>EA-004.1NL</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.1NR</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.2NL</u>	<u>S/N < 002</u>
<u>EA-004.2NR</u>	<u>S/N < 002</u>
<u>EA-004.3NL</u>	<u>S/N < 020</u>
<u>EA-004.3NR</u>	<u>S/N < 021</u>
<u>EA-004.3EL</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.3ER</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.4NL</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.4NR</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-004.5NL</u>	<u>S/N < 003</u>
<u>EA-004.5NR</u>	<u>S/N < 003</u>
<u>EA-008.1N</u>	<u>S/N < 223</u>
<u>EA-008.2N</u>	<u>S/N < 228</u>
<u>EA-008.3N</u>	<u>No S/N and Manufacture date < 27-19</u>
<u>EA-008.4N</u>	<u>S/N < 003</u>
<u>EA-008.7N</u>	<u>S/N < 010</u>
<u>EA-011.1N</u>	<u>S/N < 006</u>

NOTE: No S/N and Manufacture date < 27-19 – Some items were produced without S/N. These items were marked by manufacturing date with Week number and year (format CW-YY).

2. PURPOSE

Replacement of cotter pin (ISO1234) to prevent scratching of the inner wheel half.

Cotter pins should be replaced as follows:

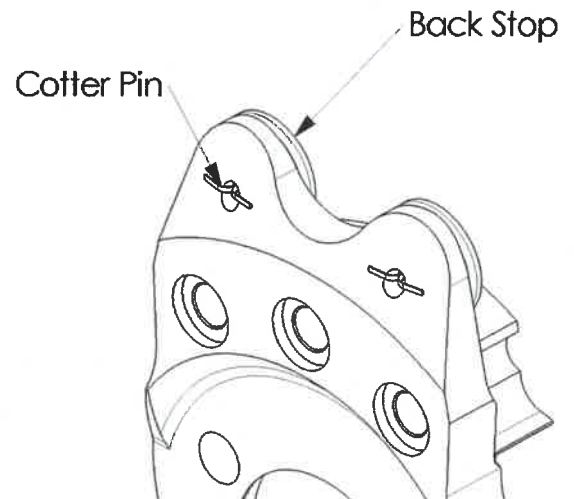
- **L-V-001 (1.2x10mm)** to be replaced by **L-V-011 (1.2x8mm)** for P/Ns
 - EA-003.3N
 - EA-003.4N
 - EA-003.5N
 - EA-003.6N
 - EA-003.7N
 - EA-003.10N
 - EA-004.1N
 - EA-004.1NL
 - EA-004.1NR
 - EA-004.2NL
 - EA-004.2NR
 - EA-004.3NL
 - EA-004.3NR
 - EA-004.3EL
 - EA-004.3ER
 - EA-004.4NL
 - EA-004.4NR
 - EA-004.5NL
 - EA-004.5NR

- **L-V-002 (1.2x16mm)** to be replaced by **L-V-010 (1.2x12mm)** for P/Ns
 - EA-008.1N
 - EA-008.2N
 - EA-008.3N
 - EA-008.4N
 - EA-008.7N
 - EA-011.1N

Cotter pin material must be Stainless Steel 304L or 316L

3. BACKGROUND

The cotter pin securing the back stop on the brake assembly back plate can be displaced from the as installed position. This can occur during unpackaging and first installation, maintenance, or at any other time when the parts are handled. If the cotter pin tails are raised from the surface of the back plate or rotated 90° from the initial orientation then they are at risk for contacting the inner wheel half and scratching the anodized finish.



4. COMPLIANCE

At the next annual inspection or change of brake disc, brake pad, or tire [Whichever occurs first].

The occurrence of this scratch is not an airworthiness or safety issue. To prevent damage to the wheel half, it is recommended to inspect the cotter pins as soon as practical.

5. INSTRUCTIONS

5.1 Inspection

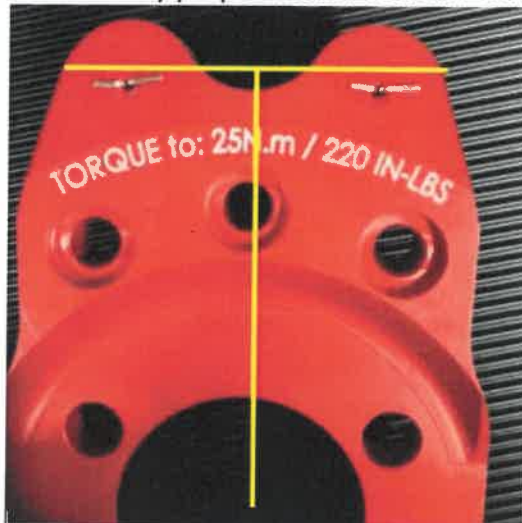
- Remove the wheel and tire assembly per the instructions in the applicable maintenance manual.
- Inspect the inner wheel half for circular scratches. An inner wheel half with a continuous circular scratch that has removed the anodizing must be replaced.



- This scratch has been caused by cotter pins that have been displaced from the initial orientation which is set and controlled during manufacturing.



- The cotter pin tails must be nearly perpendicular to a line drawn vertically through the axle.



5.2 Replacement of cotter pins

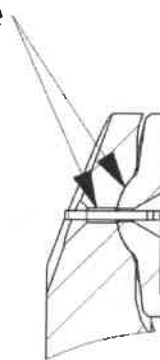
- Remove the existing cotter pins.
- Clean the indent in the backplate using water with soap or cleaning solvent and wipe dry with a clean cloth.

CAUTION: Do not use basic or acid agent on wheel halves. Anodizing can be totally removed within few minutes in contact with basic agent. Make sure that cleaning soap is not basic.

- Lubricate the contact area between back stops and back plate with silicone grease

NOTE: Use silicone grease (-50°C to 200°C) compliant with FDA CFR art. 178.3570 (liquid grease in spray is not allowed) or SAE-AS8660 or MIL-S-8660C

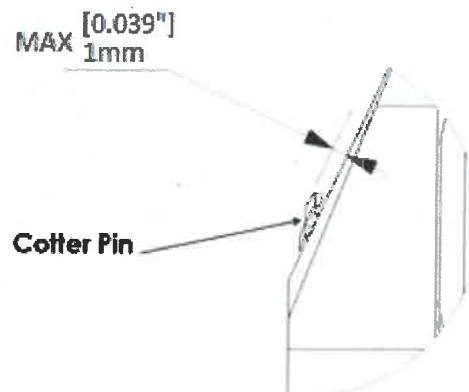
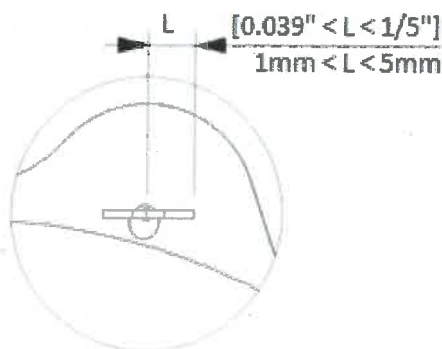
Grease



- Set the back stops into the indent and insert new cotter pins to secure the back stops, the cotter pins must be bent close to the back plate on each side as per the picture below:

NOTE: Take care not to scratch the back plate anodized finish while bending the cotter pins.

NOTE: Back stops must be fitted with no clearance on the backplate.



- Install the wheel and tire assembly per the instructions in the applicable maintenance manual.

END